



What this Presentation will cover:

- What is Pollution?
(in general and specific to OSS)
- What is Water Quality?
(the scientific and legal contexts)
- How are Water Quality problems found and fixed?
- What are the "Four Pillars" of an OSS Program?
How do they help protect Water Quality?

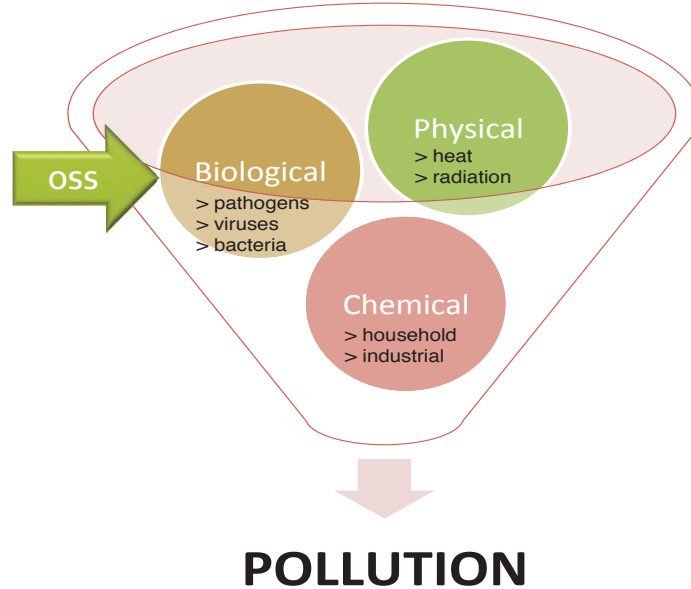


What is Pollution?

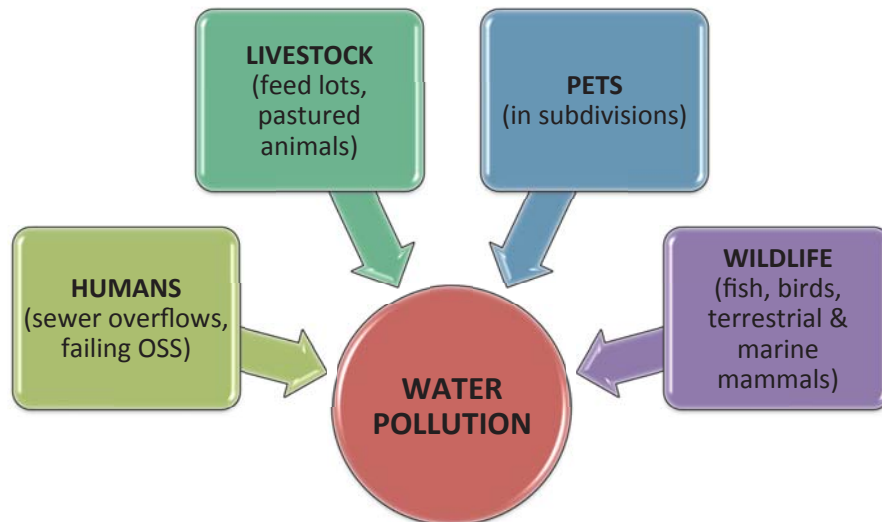
The presence in, or introduction into, the environment of a substance or thing that has harmful or poisonous effects.

- Oxford American Dictionary

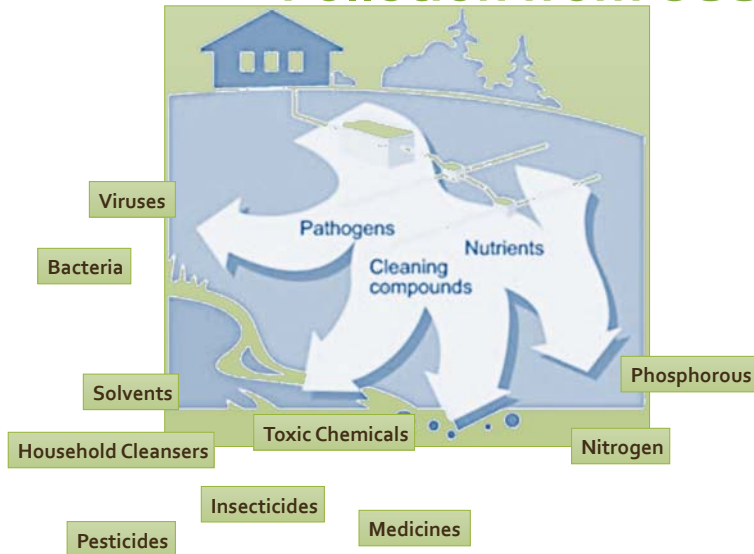
The “Universe” of Pollution:



Biological Pollution - Pathogens, Viruses and Bacteria



Biological & Chemical Pollution from OSS:



"Probably the major cause of groundwater contamination in the United States is effluent from septic tanks..."

- US EPA, Office of R&D, Center for Environmental Research and Info.; Groundwater Handbook, 2nd Ed. 1992.



"Most of the waterborne disease outbreaks associated with groundwater in the United States are thought to result from contamination by septic tanks."

- Environmental Microbiology, 2nd Ed. 2002.

What is Vulnerable?



What is Water Quality?

